

MARUSZEWSKA-WIECZORKOWSKA, E

SCIENCE

PERIODICAL: ROCZNIKI CHEMII. Vol.31, No.2, 1958

MARUSZEWSKA-WIECZORKOWSKA, E. Alkyl and alkenyl pyridines. III. Pyridine sulfones $(2-C_5H_4N)CH_2SO_2R$ and some simple sulfur derivatives with 2-pyridylmethyl residues. p. 539.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4.

April 1959, Unclass

Marusz
~~MARUSZEWSKI, Mariusz~~ [Maruszeowski, Mariusz]

Interaction between two signal systems in orientation reactions. Vop.
psikhol. 3 no.1:78-87 Ja-Y '57. (MLRA 10:3)

1. Kafedra psikhologii Moskovskogo universiteta i kafedra obshchey
psikhologii Varshavskogo universiteta.
(Orientation) (Conditioned response)

MARUSZEWSKI, M

~~MARUSHEVSKIY, M.~~

New Polish psychological periodicals. Vop. psikhol. 5 no.3:171-180
My-Je '59. (MIRA 12:9)
(Poland--Psychology--Periodicals)

MARUSZEWSKI, Mariusz (Warszawa)

The frontal lobe mechanisms and their importance for behavior in the light of clinical and experimental research (review of problems). Przegl psychol no.5:109-148 '62.

MARUSZEWSKI, Mariusz (Warszawa)

Certain disturbance forms of the most simple voluntary
behavior in focal lesions of the brain. Studia psychol 4:
5-53 '63.

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MARUSZEWSKI, Mariusz; MIERZEJEWSKA, Halina (Warszawa)

Linguistic analysis in research on aphasia. Studia psychol 5:73-103
'63.

MARUT, M.A.; TAVONIUL, K.E.(Moskva)

Clinical aspects of syphilitic pericarditis. Klin med., 33 no.10:
57-63 0 '55. (MLRA 9:2)

1. Iz Moskovskogo oblastnogo nauchno-issledovatel'skogo
klinicheskogo instituta imeni Vladimirskogo (dir. P.M. Leonenko)
(PERICARDITIS,
syphilitic, clin. aspects)
(SYPHILIS, CARDIOVASCULAR
pericarditis, clin. aspects)

MARUTA, Al.; CIRLIG, A.

Hydraulic conveying in pipes under pressure. Meteorologia hidrol
gosp 7 no.3:199-205 '62.

LATES, M., ing.; MARUTA, Al., ing.

Hydraulic characteristics of a new stand for testing the large pumps manufactured in Rumania for pumping stations in irrigation systems. Hidrotehnica 7 no.7:219-225 J1 '62.

CIRLIG, A.; MARUTA, Al.

On the annular hydroelevator. Hidrotehnica 8 no.3:109-111 Mr '63.

TIMCFEI, Fl., ing.; MAPUTA, Al., ing.

On the problem of air entrainment in the pipes of suction
pumps. Hidrotehnica 8 no. 6: 218-223 Je '63.

CIOC, D., conf. ing.; CRIS

BRUTA, Al., ing.

Some problems on
manent motion in ;
237-242 J1'63.

calculation method of nonper-
pressure. Hidrotehnica 8 no.7:

MARUTA, Al., ing.

Study on the nonpermanent conditions under pressure of systems
provided with surge tanks. Hidrotehnica 8 no.10:371-376 C '63.

MARITA Alexandra

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MARUTA, Mihai, ing.

Balanced modulator with integrated carrier generator. Tele-
communicatii 7 no.5:215-218 S-0'63

BELYAZO, I.A., inzh. MAFUTA, P.I., inzh. YEFIMOV, V.Ye., inzh.

Three-wire network for controlling switch drives with three-phase electric motors. Avtom., telam. i avtom. upravleniya, No. 11, 1964.

1. Gosudarstvennyy proyektirovannyi sistemnyy institut; proyektirovaniye signalizatsii, tsentrovizatsii, avtomaticheskogo radio na zheleznodorozhnom transporte (for Belyazov, Mafuta, P.I.).
2. Leningradskiy ordena Lenina institut inzhenerov zheleznodorozhnogo transporta imeni G. S. Sviridova (for Belyazov, Mafuta, P.I., Yefimov).

BELYAZO, I.A., inzh.; MARUTA, P.I., inzh.

Three-wire control system of a switch. Avtom., telem. **svyaz'**
no.9:36 S '65. (MIRA 18:00)

1. Gosudarstvennyy institut po proyektirovaniyu signalizatsii,
tsentralizatsii, blokirovki, svyazi i radio na zheleznodorozhnom
transporte.

FLORIAN, Petru, prof. (Dej); MARUSTIERU, St., (Baia Mare); HERLING, C., student; PIRSAN, L.C., student (Bucuresti); IONESCU-TIU, C.; COSTACHESCU, C.V.; LAMBA, Stelian (Constanta); LIVIU, Petre (Pucioasa); STRATESCU, Ion, student; BRINZANESCU, V., elev (Constanta); KLIM, Bratu, student (Bucuresti); TEMPEANU, C. (Hunedorara); CALINESCU, Aurelian (Brasov); MUNTEANU, Valentin (Cluj); OPREA, Miron (Ploiesti); MIHAILEANU, N.; TIGANOIU, Al., inginer; BUCILIU, Gh.; POPA, Eugen I. (Iasi)

Proposed problems. Gaz mat B 14 no.8:481-485 Ag '63.

1. Institutul Politehnic Bucuresti (for Herling).

MARUTOV, V.A., inzh.; PAVLOVSKIĭ, S.A., inzh.

Automatic control of the unloading conveyor of loading machines.
Mekh.i avtom.proizv. 16 no.12:95-37 D '62. (MIRA 16:1)
(Loading and unloading) (Automatic control)

MARUTOV, V.A., inzh.

Simple calculation of accelerating and braking conditions in
power cylinders. Mashinostroenie no.1:22 24 Ja-F '65.

(MIRA 18:4)

MARUTYAN, E. N.

"About anaplasmosis of cattle."

Veterinariya, Vol. 38, No. 5, 1961

Marutyan, E. N. - Candidate of Veterinary Sciences, Chocnopolgush. LMS

MARUTYAN, Fr.

The industry of Armenia as seen with the eyes of foreign visitors.

Prom.Arm. 5 no.4:11-14 Ap '62.

(MIRA 15:5)

(Armenia—Industries)

(Armenia—Visitors, Foreign)

MARUTYAN, N. A.

USSR/ Nuclear Physics - Mesons

11 Sep 53

"Determination of the Number of Slow Pi and Mu Mesons in Cosmic Rays at Various Altitudes," Kh. P. Babayan, I. I. Zinger and N. A. Marutyan

DAN SSSR, Vol 92, No 2, pp 263-264

Attempt to evaluate ratio of pi to mu mesons at low energies (up to 12 MeV) for various altitudes by means of photographic plates. Tabulate results. Indebted to A. I. Alikhanyan, acting member of Acad Sci SSSR, and D. M. Samoylovich. Presented by Acad A. I. Alikhanov 11 Jul 53.

269T87

BABAYAN, Kh.P.; MARUTYAN, N.A.; MATEVOSYAN, K.A.; SARINYAN, M.G.

Angular correlation in $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ decay observable in a nuclear emulsion. Dokl. AN Arm. SSR 26 no.3:145-148 '58. (MIRA 12:10)

1. Fizicheskiy institut AN Armyanskoy SSR. Predstavleno A.I. Alikhanyanov.

(Mesons--Decay)

AUTHORS: Babayan, Kh. P., Marutyan, N. A., Matevosyan, 56-1-36, 56
K. A., Rostomyan, M. G.

TITLE: Two Cases of the Disintegration of a Hyperfragment
(Dva sluchaya raspada giperfragmenta)

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958,
Vol. 34, Nr 1, pp. 231-232 (USSR)

ABSTRACT: In a pile of Ilford (Il'ford)-G-5 - emulsion-layers irradiated in the stratosphere the authors discovered the disintegration of a heavy hyperfragment with the flying off of an energy-rich proton; this hyperfragment was interpreted as F_{Λ} or N_{Λ} . Furthermore a mesonic disintegration of a hyperfragment was discovered in this pile. Case I: A multiple-charged hyperfragment ($R = 127 \mu$) flies out of a star $15 + 2n$. The absence of δ -electrons at the end of the range and the narrowing of the trace show that the hyperfragment came to a standstill. From the length of the narrowing the charge was estimated to $Z = 8 \pm 2$. The hyperfragment disintegrates at the end of its range into three charged particles. The behavior of these three particles is also given here. The following disintegration schemata of the

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Two Cases of the Disintegration of a Hyperfragment

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hyperfragment with positive bond energy of the Λ^0 particles are possible: $\Lambda^0 F^{10,10,20} \rightarrow d(t) + p(d,t) + p + C$, $\Lambda^0 He^{20,21} \rightarrow p(d,t) + p(l,t, He^3, He^4) + p + N(C)$. In the disintegration with participation of a neutral particle the possibility of a lighter hyperfragment is not out of the question. Case II: A light hyperfragment which disintegrates after 276 μ into 2 particles flies off a star of the type 21 + 8p. The scattering of the hyperfragment indicates a disintegration in the position of rest and the charge was estimated with $Z = 2$ to 3. The trace is produced by a pion with the energy $(32 \pm 5,0)$ MeV. The kinematic analysis of the case furnishes the schemata $He_{\Lambda}^7 \rightarrow p + \pi^- + He^4 + Q_1$; $Li_{\Lambda}^{7,8} \rightarrow p + \pi^- + Li^{6,7} + Q_2$, where $Q_1=Q_2=(39,0 \pm 5,0)$ MeV applies. There are 2 figures and 6 references.

ASSOCIATION: Physical Institute AN Armenian SSR (Fizicheskiy institut Akademii nauk Armyanskoy SSR)

SUBMITTED: September 19, 1957

AVAILABLE: Library of Congress
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7(5), 21(0)

AUTHORS:

Babayan, R. P., Maratyan, N. A.,
Matevatsyan, K. A., Stringyan, M. G.

TITLE:

The Energy Dependence of the Angular Correlation of
Positrons Originating From $\pi \rightarrow \mu \rightarrow e$ Decay (Energy
zavisimost' uglovoy korelyatsii pozitronov iz $\pi \rightarrow \mu \rightarrow e$
razlaga)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1977,
Vol 3, Nr 1, pp 561 - 564 (USSR)

ABSTRACT:

In the present paper the authors deal mainly with
investigations of $\pi \rightarrow \mu \rightarrow e$ events in nuclear
emulsions (investigations were carried out at Yerevan,
the results will be published in detail in DAN ARMSSR
(Ref 9) in a paper which is already
being printed); the authors compare the results obtained
with those obtained by numerous other authors. (Li
and Jung (Li, Yung), (Ref 1), London (Ref 2), Vagnerov,
Smirnitckiy (Refs 7,8) and others). The authors of
the present paper investigated 405 of such decays; they
found that the experimental energy dependence of the

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The Energy Dependence of the Angular Correlation of
Positrons Originating From $\pi \rightarrow \mu \rightarrow e$ Decay

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backward-forward ratio for the emitted positrons agrees with the predictions of the two-component theory. The non-conservation of parity in the $\pi \rightarrow \mu$ - decay leads to a polarization of the muon inversely to the direction of motion. In the subsequent decay of the muon the positrons have a non-spherical angular symmetry, which, according to the two-component neutrino theory, has the form: $dN = 2N_0 \epsilon^2 [(3-2\epsilon) + \lambda \cos \theta (2\epsilon - 1)] d\epsilon d(\cos \theta)$ ($\epsilon = \text{ratio of the energy of the positron and the maximal possible energy of the positron}$, $\theta = \text{angle between the directions of flight of the muon and positron}$, $\lambda = \text{const}$, $-1 \leq \lambda \leq +1$). The authors investigated a total of 2100 decay events (Rutherford) and an asymmetry coefficient $A = -(0.135 \pm 0.043)$. In 11 cases selected according to certain points of view, the following distribution of positron ranges was obtained: Length of tracks: 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27 27-28 28-29 29-30 30-31 31-32 32-33 33-34 34-35 35-36 36-37 37-38 38-39 39-40 40-41 41-42 42-43 43-44 44-45 45-46 46-47 47-48 48-49 49-50 50-51 51-52 52-53 53-54 54-55 55-56 56-57 57-58 58-59 59-60 60-61 61-62 62-63 63-64 64-65 65-66 66-67 67-68 68-69 69-70 70-71 71-72 72-73 73-74 74-75 75-76 76-77 77-78 78-79 79-80 80-81 81-82 82-83 83-84 84-85 85-86 86-87 87-88 88-89 89-90 90-91 91-92 92-93 93-94 94-95 95-96 96-97 97-98 98-99 99-100 100-101 101-102 102-103 103-104 104-105 105-106 106-107 107-108 108-109 109-110 110-111 111-112 112-113 113-114 114-115 115-116 116-117 117-118 118-119 119-120 120-121 121-122 122-123 123-124 124-125 125-126 126-127 127-128 128-129 129-130 130-131 131-132 132-133 133-134 134-135 135-136 136-137 137-138 138-139 139-140 140-141 141-142 142-143 143-144 144-145 145-146 146-147 147-148 148-149 149-150 150-151 151-152 152-153 153-154 154-155 155-156 156-157 157-158 158-159 159-160 160-161 161-162 162-163 163-164 164-165 165-166 166-167 167-168 168-169 169-170 170-171 171-172 172-173 173-174 174-175 175-176 176-177 177-178 178-179 179-180 180-181 181-182 182-183 183-184 184-185 185-186 186-187 187-188 188-189 189-190 190-191 191-192 192-193 193-194 194-195 195-196 196-197 197-198 198-199 199-200 200-201 201-202 202-203 203-204 204-205 205-206 206-207 207-208 208-209 209-210 210-211 211-212 212-213 213-214 214-215 215-216 216-217 217-218 218-219 219-220 220-221 221-222 222-223 223-224 224-225 225-226 226-227 227-228 228-229 229-230 230-231 231-232 232-233 233-234 234-235 235-236 236-237 237-238 238-239 239-240 240-241 241-242 242-243 243-244 244-245 245-246 246-247 247-248 248-249 249-250 250-251 251-252 252-253 253-254 254-255 255-256 256-257 257-258 258-259 259-260 260-261 261-262 262-263 263-264 264-265 265-266 266-267 267-268 268-269 269-270 270-271 271-272 272-273 273-274 274-275 275-276 276-277 277-278 278-279 279-280 280-281 281-282 282-283 283-284 284-285 285-286 286-287 287-288 288-289 289-290 290-291 291-292 292-293 293-294 294-295 295-296 296-297 297-298 298-299 299-300 300-301 301-302 302-303 303-304 304-305 305-306 306-307 307-308 308-309 309-310 310-311 311-312 312-313 313-314 314-315 315-316 316-317 317-318 318-319 319-320 320-321 321-322 322-323 323-324 324-325 325-326 326-327 327-328 328-329 329-330 330-331 331-332 332-333 333-334 334-335 335-336 336-337 337-338 338-339 339-340 340-341 341-342 342-343 343-344 344-345 345-346 346-347 347-348 348-349 349-350 350-351 351-352 352-353 353-354 354-355 355-356 356-357 357-358 358-359 359-360 360-361 361-362 362-363 363-364 364-365 365-366 366-367 367-368 368-369 369-370 370-371 371-372 372-373 373-374 374-375 375-376 376-377 377-378 378-379 379-380 380-381 381-382 382-383 383-384 384-385 385-386 386-387 387-388 388-389 389-390 390-391 391-392 392-393 393-394 394-395 395-396 396-397 397-398 398-399 399-400 400-401 401-402 402-403 403-404 404-405 405-406 406-407 407-408 408-409 409-410 410-411 411-412 412-413 413-414 414-415 415-416 416-417 417-418 418-419 419-420 420-421 421-422 422-423 423-424 424-425 425-426 426-427 427-428 428-429 429-430 430-431 431-432 432-433 433-434 434-435 435-436 436-437 437-438 438-439 439-440 440-441 441-442 442-443 443-444 444-445 445-446 446-447 447-448 448-449 449-450 450-451 451-452 452-453 453-454 454-455 455-456 456-457 457-458 458-459 459-460 460-461 461-462 462-463 463-464 464-465 465-466 466-467 467-468 468-469 469-470 470-471 471-472 472-473 473-474 474-475 475-476 476-477 477-478 478-479 479-480 480-481 481-482 482-483 483-484 484-485 485-486 486-487 487-488 488-489 489-490 490-491 491-492 492-493 493-494 494-495 495-496 496-497 497-498 498-499 499-500 500-501 501-502 502-503 503-504 504-505 505-506 506-507 507-508 508-509 509-510 510-511 511-512 512-513 513-514 514-515 515-516 516-517 517-518 518-519 519-520 520-521 521-522 522-523 523-524 524-525 525-526 526-527 527-528 528-529 529-530 530-531 531-532 532-533 533-534 534-535 535-536 536-537 537-538 538-539 539-540 540-541 541-542 542-543 543-544 544-545 545-546 546-547 547-548 548-549 549-550 550-551 551-552 552-553 553-554 554-555 555-556 556-557 557-558 558-559 559-560 560-561 561-562 562-563 563-564 564-565 565-566 566-567 567-568 568-569 569-570 570-571 571-572 572-573 573-574 574-575 575-576 576-577 577-578 578-579 579-580 580-581 581-582 582-583 583-584 584-585 585-586 586-587 587-588 588-589 589-590 590-591 591-592 592-593 593-594 594-595 595-596 596-597 597-598 598-599 599-600 600-601 601-602 602-603 603-604 604-605 605-606 606-607 607-608 608-609 609-610 610-611 611-612 612-613 613-614 614-615 615-616 616-617 617-618 618-619 619-620 620-621 621-622 622-623 623-624 624-625 625-626 626-627 627-628 628-629 629-630 630-631 631-632 632-633 633-634 634-635 635-636 636-637 637-638 638-639 639-640 640-641 641-642 642-643 643-644 644-645 645-646 646-647 647-648 648-649 649-650 650-651 651-652 652-653 653-654 654-655 655-656 656-657 657-658 658-659 659-660 660-661 661-662 662-663 663-664 664-665 665-666 666-667 667-668 668-669 669-670 670-671 671-672 672-673 673-674 674-675 675-676 676-677 677-678 678-679 679-680 680-681 681-682 682-683 683-684 684-685 685-686 686-687 687-688 688-689 689-690 690-691 691-692 692-693 693-694 694-695 695-696 696-697 697-698 698-699 699-700 700-701 701-702 702-703 703-704 704-705 705-706 706-707 707-708 708-709 709-710 710-711 711-712 712-713 713-714 714-715 715-716 716-717 717-718 718-719 719-720 720-721 721-722 722-723 723-724 724-725 725-726 726-727 727-728 728-729 729-730 730-731 731-732 732-733 733-734 734-735 735-736 736-737 737-738 738-739 739-740 740-741 741-742 742-743 743-744 744-745 745-746 746-747 747-748 748-749 749-750 750-751 751-752 752-753 753-754 754-755 755-756 756-757 757-758 758-759 759-760 760-761 761-762 762-763 763-764 764-765 765-766 766-767 767-768 768-769 769-770 770-771 771-772 772-773 773-774 774-775 775-776 776-777 777-778 778-779 779-780 780-781 781-782 782-783 783-784 784-785 785-786 786-787 787-788 788-789 789-790 790-791 791-792 792-793 793-794 794-795 795-796 796-797 797-798 798-799 799-800 800-801 801-802 802-803 803-804 804-805 805-806 806-807 807-808 808-809 809-810 810-811 811-812 812-813 813-814 814-815 815-816 816-817 817-818 818-819 819-820 820-821 821-822 822-823 823-824 824-825 825-826 826-827 827-828 828-829 829-830 830-831 831-832 832-833 833-834 834-835 835-836 836-837 837-838 838-839 839-840 840-841 841-842 842-843 843-844 844-845 845-846 846-847 847-848 848-849 849-850 850-851 851-852 852-853 853-854 854-855 855-856 856-857 857-858 858-859 859-860 860-861 861-862 862-863 863-864 864-865 865-866 866-867 867-868 868-869 869-870 870-871 871-872 872-873 873-874 874-875 875-876 876-877 877-878 878-879 879-880 880-881 881-882 882-883 883-884 884-885 885-886 886-887 887-888 888-889 889-890 890-891 891-892 892-893 893-894 894-895 895-896 896-897 897-898 898-899 899-900 900-901 901-902 902-903 903-904 904-905 905-906 906-907 907-908 908-909 909-910 910-911 911-912 912-913 913-914 914-915 915-916 916-917 917-918 918-919 919-920 920-921 921-922 922-923 923-924 924-925 925-926 926-927 927-928 928-929 929-930 930-931 931-932 932-933 933-934 934-935 935-936 936-937 937-938 938-939 939-940 940-941 941-942 942-943 943-944 944-945 945-946 946-947 947-948 948-949 949-950 950-951 951-952 952-953 953-954 954-955 955-956 956-957 957-958 958-959 959-960 960-961 961-962 962-963 963-964 964-965 965-966 966-967 967-968 968-969 969-970 970-971 971-972 972-973 973-974 974-975 975-976 976-977 977-978 978-979 979-980 980-981 981-982 982-983 983-984 984-985 985-986 986-987 987-988 988-989 989-990 990-991 991-992 992-993 993-994 994-995 995-996 996-997 997-998 998-999 999-1000 1000-1001 1001-1002 1002-1003 1003-1004 1004-1005 1005-1006 1006-1007 1007-1008 1008-1009 1009-1010 1010-1011 1011-1012 1012-1013 1013-1014 1014-1015 1015-1016 1016-1017 1017-1018 1018-1019 1019-1020 1020-1021 1021-1022 1022-1023 1023-1024 1024-1025 1025-1026 1026-1027 1027-1028 1028-1029 1029-1030 1030-1031 1031-1032 1032-1033 1033-1034 1034-1035 1035-1036 1036-1037 1037-1038 1038-1039 1039-1040 1040-1041 1041-1042 1042-1043 1043-1044 1044-1045 1045-1046 1046-1047 1047-1048 1048-1049 1049-1050 1050-1051 1051-1052 1052-1053 1053-1054 1054-1055 1055-1056 1056-1057 1057-1058 1058-1059 1059-1060 1060-1061 1061-1062 1062-1063 1063-1064 1064-1065 1065-1066 1066-1067 1067-1068 1068-1069 1069-1070 1070-1071 1071-1072 1072-1073 1073-1074 1074-1075 1075-1076 1076-1077 1077-1078 1078-1079 1079-1080 1080-1081 1081-1082 1082-1083 1083-1084 1084-1085 1085-1086 1086-1087 1087-1088 1088-1089 1089-1090 1090-1091 1091-1092 1092-1093 1093-1094 1094-1095 1095-1096 1096-1097 1097-1098 1098-1099 1099-1100 1100-1101 1101-1102 1102-1103 1103-1104 1104-1105 1105-1106 1106-1107 1107-1108 1108-1109 1109-1110 1110-1111 1111-1112 1112-1113 1113-1114 1114-1115 1115-1116 1116-1117 1117-1118 1118-1119 1119-1120 1120-1121 1121-1122 1122-1123 1123-1124 1124-1125 1125-1126 1126-1127 1127-1128 1128-1129 1129-1130 1130-1131 1131-1132 1132-1133 1133-1134 1134-1135 1135-1136 1136-1137 1137-1138 1138-1139 1139-1140 1140-1141 1141-1142 1142-1143 1143-1144 1144-1145 1145-1146 1146-1147 1147-1148 1148-1149 1149-1150 1150-1151 1151-1152 1152-1153 1153-1154 1154-1155 1155-1156 1156-1157 1157-1158 1158-1159 1159-1160 1160-1161 1161-1162 1162-1163 1163-1164 1164-1165 1165-1166 1166-1167 1167-1168 1168-1169 1169-1170 1170-1171 1171-1172 1172-1173 1173-1174 1174-1175 1175-1176 1176-1177 1177-1178 1178-1179 1179-1180 1180-1181 1181-1182 1182-1183 1183-1184 1184-1185 1185-1186 1186-1187 1187-1188 1188-1189 1189-1190 1190-1191 1191-1192 1192-1193 1193-1194 1194-1195 1195-1196 1196-1197 1197-1198 1198-1199 1199-1200 1200-1201 1201-1202 1202-1203 1203-1204 1204-1205 1205-1206 1206-1207 1207-1208 1208-1209 1209-1210 1210-1211 1211-1212 1212-1213 1213-1214 1214-1215 1215-1216 1216-1217 1217-1218 1218-1219 1219-1220 1220-1221 1221-1222 1222-1223 1223-1224 1224-1225 1225-1226 1226-1227 1227-1228 1228-1229 1229-1230 1230-1231 1231-1232 1232-1233 1233-1234 1234-1235 1235-1236 1236-1237 1237-1238 1238-1239 1239-1240 1240-1241 1241-1242 1242-1243 1243-1244 1244-1245 1245-1246 1246-1247 1247-1248 1248-1249 1249-1250 1250-1251 1251-1252 1252-1253 1253-1254 1254-1255 1255-1256 1256-1257 1257-1258 1258-1259 1259-1260 1260-1261 1261-1262 1262-1263 1263-1264 1264-1265 1265-1266 1266-1267 1267-1268 1268-1269 1269-1270 1270-1271 1271-1272 1272-1273 1273-1274 1274-1275 1275-1276 1276-1277 1277-1278 1278-1279 1279-1280 1280-1281 1281-1282 1282-1283 1283-1284 1284-1285 1285-1286 1286-1287 1287-1288 1288-1289 1289-1290 1290-1291 1291-1292 1292-1293 1293-1294 1294-1295 1295-1296 1296-1297 1297-1298 1298-1299 1299-1300 1300-1301 1301-1302 1302-1303 1303-1304 1304-1305 1305-1306 1306-1307 1307-1308 1308-1309 1309-1310 1310-1311 1311-1312 1312-1313 1313-1314 1314-1315 1315-1316 1316-1317 1317-1318 1318-1319 1319-1320 1320-1321 1321-1322 1322-1323 1323-1324 1324-1325 1325-1326 1326-1327 1327-1328 1328-1329 1329-1330 1330-1331 1331-1332 1332-1333 1333-1334 1334-1335 1335-1336 1336-1337 1337-1338 1338-1339 1339-1340 1340-1341 1341-1342 1342-1343 1343-1344 1344-1345 1345-1346 1346-1347 1347-1348 1348-1349 1349-1350 1350-1351 1351-1352 1352-1353 1353-1354 1354-1355 1355-1356 1356-1357 1357-1358 1358-1359 1359-1360 1360-1361 1361-1362 1362-1363 1363-1364 1364-1365 1365-1366 1366-1367 1367-1368 1368-1369 1369-1370 1370-1371 1371-1372 1372-1373 1373-1374 1374-1375 1375-1376 1376-1377 1377-1378 1378-1379 1379-1380 1380-1381 1381-1382 1382-1383 1383-1384 1384-1385 1385-1386 1386-1387 1387-1388 1388-1389 1389-1390 1390-1391 1391-1392 1392-1393 1393-1394 1394-1395 1395-1396 1396-1397 1397-1398 1398-1399 1399-1400 1400-1401 1401-1402 1402-1403 1403-1404 1404-1405 1405-1406

The Energy Dependence of the Angular Correlation of
Positrons Originating From $\pi \rightarrow \mu \rightarrow e$ Decay

S. V. ...

(More than 15 000 observations partly with a Geiger counter and partly with accelerators). In the case of $\pi \rightarrow \mu \rightarrow e$ decay by the authors A was between $-(0.13 \pm 0.06)$ at $\epsilon = 1.1$ and $-(0.40 \pm 0.22)$ at $\epsilon = 1.0$. In conclusion the authors thank A.I. Alibekyan for the interest he displayed, I.I. Goldstein for his advice, and L.N. Tatevyan for assistance in carrying out measurements. There are 11 figures, 1 table, and 17 references, 4 of which are Soviet.

ASSOCIATION: Fizmatgiz Institut Akademicheskoy Armyskoy SSR (Fizmatgiz, AS Armyanskaya SSR)

SUBMITTED: February 13, 1979 (initially) and June 1, 1979 (after revision)

С.В. ...

S/022/60/013/01/09/010

C 111/ C 3

AUTHORS: Babayan, Kh. P., Marutyan, N. A., Matevosyan, K. A., Sarinyan,
M. G.,

TITLE: Investigation of the Hyperfragments in the Nuclear Emulsion /9

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-
matematicheskikh nauk, 1960, Vol. 13, No. 1, pp. 165-168

TEXT: Report on the systematic investigation of a nuclear emulsion
Ilford G - 5 of 600 μ layers which was cosmically irradiated in the
height of 27 km in Italy in 1955. The material was placed at disposal
to the authors by Professor Pawell. The decay of 6 hyperfragments was
stated. In (Ref.3) the authors already reported on two cases. The re-
presentation of the other four cases is now published. The values ob-
tained for B_{α} coincide in the frame of statistical errors with the
known data. ✓B

There are 3 references: 1 Soviet, 1 English and 1 Italian.

ASSOCIATION: Fizicheskiy institut AN Armyanskoy SSR (Physical Institute
AS Armyanskaya SSR)

SUBMITTED: August 20, 1958

Card 1/1

S/056/60,
0004/5

24.6900

AUTHORS:

Marutyan, N. A., Matevosyan, K. A., Toshiyan, R. T.

TITLE:

Investigation of the Interaction ¹⁹ of a $5 \cdot 10^{12}$ -ev Nucleon
With a Photoemulsion Nucleus

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki: 1961,
Vol. 39, No. 4(10), pp. 993-996

TEXT: On a systematic examination of an emulsion pile (Ilford G-5
600 μ) irradiated for 8 hours at a height of 27 - 30 km. the authors
found one $6 + 3p$ interaction. The event is interpreted as an inter-
action of a nucleon with a nucleus of the emulsion, and its energy
spectrum is studied. The energy of the primary particle is then found to
be equal to $(4.7 \pm 1.0) \cdot 10^{12}$ ev. The measurements were made with an
MBU-8M (MBI-8M) microscope. The angles of all shower particles related
to the primary particle as well as their energies were measured (Table).
Fig. 1 shows the angular distribution of the secondary particles, and
Fig. 2 the transverse momentum distribution. The mean length of the

Card 1/2

8/100

Investigation of the Interaction of a $5 \cdot 10^{12}$ -ev Nucleon With a Photoemulsion Nucleus S/056/60/031/001 0048
B004/B075

nuclear interaction was of the order of 30 cm, the mean transverse momentum was $(0.17 \pm 0.02) \text{ Bev/c}$. The best agreement between the hydrodynamic theory of L. D. Landau and the experimental data is obtained for $kT = (1/2) \mu_{\pi} c^2$. The primary particle gave 10% of its energy for the formation of the secondary particles. The authors mention a paper by G. A. Milekhin and L. L. Rozental (Ref. 6). There are 2 figures, 1 table, and 7 references. 4 Soviet, 1 British and 2 Italian.

ASSOCIATION. Fizicheskiy institut Akademii nauk Armyanskoy SSR
(Institute of Physics of the Academy of Sciences,
Armyanskaya SSR)

SUBMITTED. May 27 1960

Card 2/2

L 17607-63

REF ID: A7770

EMT(1)/EMT(m)/HDS/
AFMTC/ASD/AFGC/LJP(C)

S/056/63/044/003/009/053

60
59

AUTHOR:

Babayan, Kh. P. and Marutyan, N. A.

19

TITLE:

Interaction of a high energy multicharged particle with
a nucleus of the photographic emulsion 20PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 3,
1963, 832-839

TEXT: The authors describe the detailed investigation of a unique interaction event of the $16 + 2012$ type between a multicharged particle with an energy of $3 \cdot 10^{11}$ ev per nucleus and the nucleus of a photographic HMKM-P (NIKFI-R) emulsion exposed in a sputnik satellite in August of 1960. Because of the high multiplicity of the interaction and the convenient position of the event in the photographic emulsion, it was possible to obtain sufficiently good statistics for observing the correlation coefficient of 0.81 between the emission angle and the transverse momentum of the secondary particles in the small angle region ($\theta_1 < 40^\circ$). The transverse momentum distribution is consistent with the one previously obtained for secondary particles produced in nucleon-nucleon and nucleon-nucleus interactions.

Card 1/2

L 17607-63

S/056/63/044/003/009/053

Interaction of a high energy ...

The mean transverse momentum is found equal to 215 MeV/c. The angular distribution satisfactorily agrees with the hydrodynamic theory. There are 4 figures and 1 table.

ASSOCIATION: Fizicheskiy institut Akademii nauk Armyanskoy SSR (Physics Institute of the Academy of Sciences of the ArSSR)

SUBMITTED: October 2, 1962

Card 2/2

MARUTYAN S.A

SISAKYAN, N.M.; MARUTYAN, S.A.

Sugars in grapes. Biokhim.vin. no.2:56-68 '48. (MLRA 7:10)

1. Institut vinodeliya i vinogradarstva AN Armyanskoy SSR.
(Grapes) (Sugars)

110

04

Sucrose in grapes. N. M. Sisakyan and S. A. Maru-
tyan. *Doklady Akad. Nauk S.S.S.R.* 61, 401-4 (1948).
Twenty-three species of grapes were investigated during
the summer months. It was shown that the amt. of su-
crose regularly increases with ripening in all species except
for "Voskeat" which showed a drop in sucrose at the point
of tech. ripeness. The assertions of earlier writers con-
cerning the absence of sucrose in ripe grapes are thus in
error. The max. amt. of sucrose found was 1.0% in Pink
Muskat grape in the ripe stage. G. M. Konolapoff

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

MURUTYAN, S. A.

U S S R .

The biochemical nature of early-ripening and late-ripening grape vines. S. A. Murutyan, *Biohim. Voprosy*, *Sbornik 4*: 230-40 (1953). Accumulation of carbohydrates differs in the leaves of fruit-bearing (I) and nonfruit-bearing (II) vines during vegetation. In the leaves of II vines the amt. of sugar during vegetation increases, while in I vines a decrease is observed. In the early-ripening type (III), the grapes show a more intense synthesis and decomposition of sucrose than in the late-ripening (IV). The total sucrose and the amt. of it during vegetation is greater in IV than in III. In the spring, there is a large increase in the amt. of water-sol. sugar; the amt. of sucrose increases 5-10 times; maltose, which was not detected in the fall, now appears; but the amt. of hemicellulose does not show a regular change. In the spring, in the runners of IV, the amt. of monosaccharide decreases, while the III shows an increase. Insignificant differences were noted in the activity of polyphenol oxidase and peroxidase during vegetation in the leaves of III and IV. In II the activity of the peroxidase is observed earlier than in I. During the ripening period, if the grapes are not removed, there is found dehydrated succinic acid, tartaric acid, glutamic acid, and glycine. Dehydrated citric acid was detected during all stages of the ripening. Dehydrated aspartic acid is detected only in unripened berries, but dehydrated maleic acid and glucose are found only in the ripe berry. During the same stages of ripening of III and IV there is observed dehydration of the same substrate. In III, especially in the unripened berry, dehydration is 2-10 times greater than in IV. S. B. Raddinx

MARUTYAN, S. A.

USSR/Biology - Biochemistry

Card : 1/1

Authors : Afrikyan, B. L., Marutyan, S. A. and Saskyan, R. G.

Title : Forms of reserve carbohydrates in grape vines

Periodical : Dokl. AN SSSR, 96, Ed. 6, 1195 - 1196, June 1954

Abstract : The basic reserve carbohydrate in perennial plants including grape vines is starch. Experimental data show that hemicellulose in addition to starch is also a reserve carbohydrate found in grape vines, the latter takes an active part in the carbohydrate exchange of the plant. Nine references
Graphs.

Institution : Ministry of Food Industry Arm-SSR, Institute of Viti- and Viniculture

Presented by : Academician A. L. Kursanov, March 18, 1954

USSR/Biology - Biochemistry

Card 1/1 Pub. 22 - 29/40

Authors : Marutyan, S. A.

Title : Nature of peroxidase activity in various grape seedlings

Periodical : Dok. AN SSSR 99/2, 295-296, Nov 11, 1954

Abstract : The activity of oxidation-reduction ferments of peroxidase and dehydrase in grape seedling was investigated in an acetone compound mixed with grape leaves. The difference between male, female and bisexual plants is explained. The results obtained are tabulated. Four USSR references (1951-1953). Tables.

Institution : Institute of Viniculture, Yerevan

Presented by : Academician A. I. Oparin, September 2, 1954

MARUTYAN S A

USSR/Czechoslovakia - Events, 1968

Author

Inst

Title

Original

Abstract

Cont 1/3

11-8

USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 2, 1958, 39516

Institute of Viticultural and Viniculture. The Voskhat, violet Huskat and Kaberne "vish" varieties were analyzed in 1948 once every 10 days. Beside that, an analysis of mature berries of 20 varieties of grapes growing under different ecological conditions in Armenia was made in 1948. In all the varieties studied the presence of saccharose was always accompanied by that of active invertase. The content of saccharose and the invertase activity varied sharply depending on the variety, the degree of maturity of the berries, and the ecological conditions of growth of the grape vine. In period of growth of the berries, the content of saccharose and invertase was insignificant. However, the invertase activity increased sharply when ripening began to take place. The activity of the invertase continued to increase during the period of physiological maturity of the berry but decreased after that, and the content of saccharose obtained its maximum.

Card 2/3

MARUTYAN, S.A.

Carbohydrates of the various tissues of grapevine shoots as related to the degree of frost resistance of the variety. Biokhim. vin. no. 7:16-24, '63. (MIRA 16:4)

1. Nauchno-issledovatel'skiy institut vinogradarstva, vinodeliya i plodovodstva Ministerstva sel'skogo khozyaystva Armysanskoy SSR.
(Plants--Chemical analysis) (Grapes)

AFRIKYAN, B.L.; MARUTYAN, S.A.; PETROSYAN, Zh.A.

Effect of leaving grapevines uncovered in winter on the
carbohydrate metabolism in grape shoots. Izv. AN Arm. SSR.
Biol. nauki 16 no.7:41-46 J1 '63. (MIRA 16:11)

1. Institut vinogradarstva, vinodeliya i plodovodstva Armenii.

MARUTYAN, S.A.

Hemicellulose in grapes. Izv. AN Arm. SSR. Biol. Nauki 1978, 6:
73-77 Ag 1974. (MIRA 10:1).

1. Armyanskiy institut vinogradarstva, vinodeliya i plodovodstva.

1414BULL. 1. 1. 1.
PETROSYAN, F.G.; MARUTYAN, S.H.

Damage done by the grape leaf-roller to the basic grape varieties
of the Armenian S.S.R. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki. 2 no. 5:
455-459 '49. (MLBA 9:8)

1. Institut vinogradarstva i vinodeliya Akademii nauk Armyanskoy
SSR.

(ARMENIA--GRAPES--DISEASES AND PESTS)

PETROSYAN, F.G.; MARUTYAN, S.N.

Ecology of the grapevine spider mite (*Schizotetranychus* (*Eotetranychus*) *viticola*) in the northeastern regions of Armenia. *Izv.AN Arm.SSR.Biol.i sel'khoz.nauki.* 5 no.9:61-67 '52. (MLRA 9:8)

1. Institut vinodeliya i vinogradarstva Ministerstva pishchevoy promyshlennosti Armyanskoy SSR.
(Armenia--Red spider) (Grapes--Diseases and pests)

MARUTYAN, S. N.

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1953, No 49637

Author : Petrosyan F.G., Marutyan S.N.

Inst : -

Title : New Preparations Against the Grape Spider Mite

Orig Pub : Vinodeliya i vinogradarstvo SSSR, 1957, No 2,
44-46

Abstract : In Armenia in 1951-1953, in the testing of sulfur
and phospho-organic insecticides spraying with
Pyrophos (0.05%) at 1-day intervals three-four
times showed high effectiveness. In 1954, Vo-
phatex and octamethyl (0.05%) were highly effec-
tive. In 1955, under field conditions 81-87%
of the mites perished after one spraying with
octamethyl (0.05%) and 91-96% perished after two
sprayings. When the first leaves appeared (at

Card : 1/2

1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 26

"The Role of the Staff in the Responsibility of James O'Hara in Chile." Can't Get Out, Wherever I Go! (New York: New York Librarian, 1963, February, 1964). (NY, No 9, Feb 55)

Zani Tot, Doi, Kerevar District, Nagay Land, in "Kerakar Publication 1983, Kerevar, 1984. (Vol. No 9, Feb 85)

90: Sum. No. 631, 26 Mar 55 - Survey of Scientific and Technical Dispositions of
Defendants at "SS" Higher Educational Institutions (14)

Defended at "SC" by Gen. Educational Institutions (14)

MARUTYAN, Ye. M

USSR / Diseases of Farm Animals. Diseases Caused by
Protozoa

R

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74219

Author : Mamikonyan, M.M.; Marutyan, Ye. M.

Inst : Armenian Scientific-Research Institute of Animal
Breeding

Title : Veterinary Medicine. Test of Combination Chemo-
therapy of Theileriasis (Theileria annulata) in
Cattle

Orig Pub: Byul. nauchno- tekhn. inform. Arm. n.-i. in-ta
zhivotnovodstva i veterinarii, 1957, No 1, 56-57

Abstract: A combination of amino-acrichine with geramine,
thiargen, sulfantrol and tripaflavine was tested.
Best results were obtained from use of a combina-

Card 1/2

MARUTYAN, Ye.M., kand.veterinarnykh nauk

Comparative therapeutic and prophylactic effectiveness of berenil
in hemosporidia infections of cattle. Veterinariia 37 no.8:22-23
Ag '60. (MIRA 15:4)

1. Checheno-Ingushskaya nauchno-issledovatel'skaya veterinarnaya
stantsiya.

(Chechen-Ingush A.S.S.R.---Hemosporidia)
(Cattle---Diseases and pests) (Berenil)

MARUTYAN, Ye.M., starshiy nauchnyy sotrudnik; AMBATSUMYAN, G.G., mladshiy
nauchnyy sotrudnik

Evaluating the methods of treating trichomoniasis in bulls.
Veterinariia 40 no.8:32-33 Ag '63. (MIRA 17:10)

1. Armyskiy nauchno-issledovatel'skiy institut zhivotnovodstva
i veterinarii.

MARUZZS, Jozsef

Religion in Hungary. Hung TU no.10:4-5 0 '62.

MARVAN, D.

Odehnal, J.; Marvan, D. Cold-working of aluminum. p.95

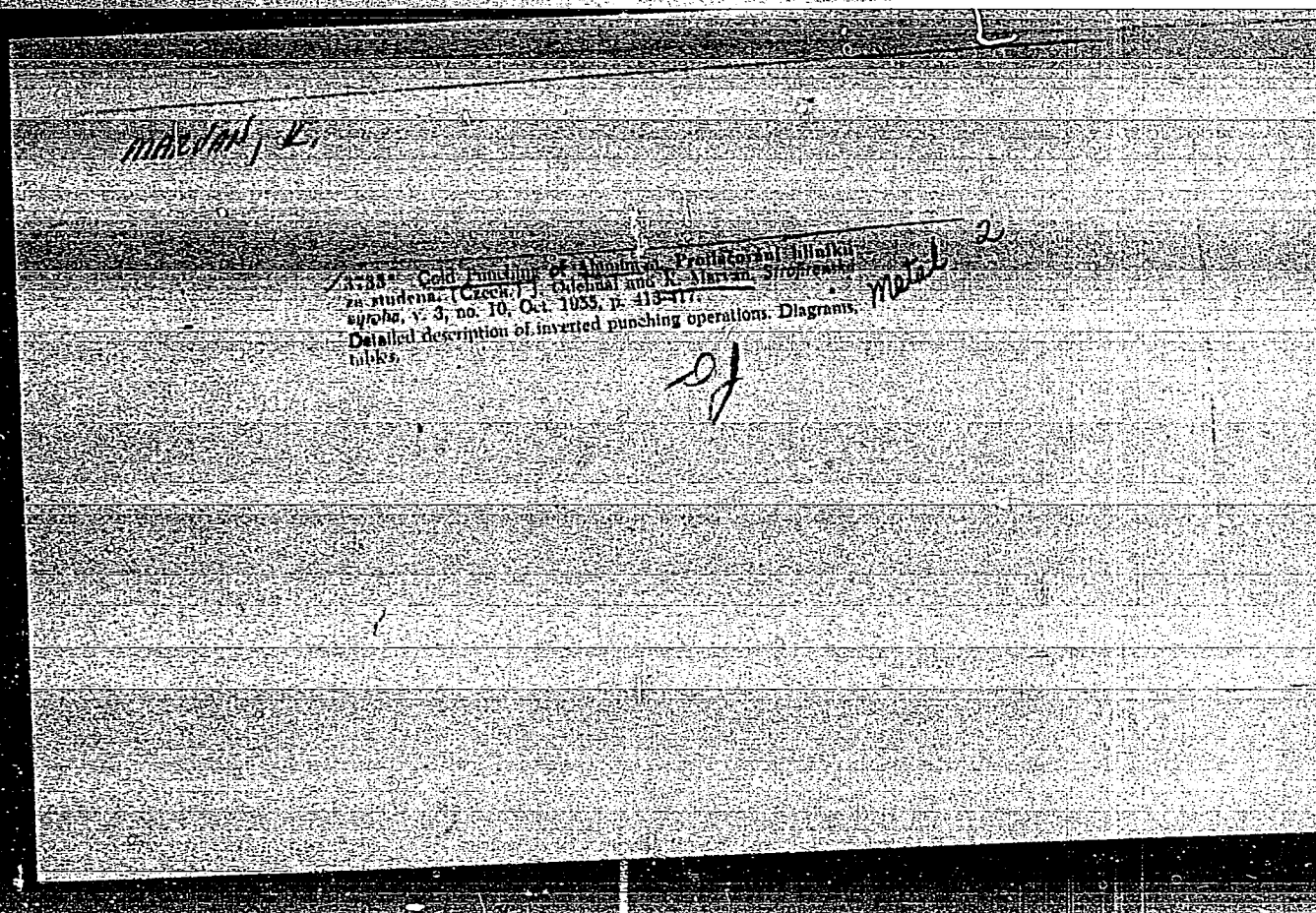
SO: Monthly List of the East European Accessions. (EEAL). LC. Vol. 4,
no. 10, Oct. 1955. Uncl.

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MARVAN 5

36

PHASE I BOOK EXPLOITATION

SOV/5799

Unkov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovogochnogo proizvodstva (Present State of the Pressworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies printed.

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on the Hot Working of Metals: S.Ya. Golovin, Engineer.

Title: Kuznechno-shtampovogochnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykis, D.I. Bereznevskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gold'man, S.P. Granovskiy, N.S. Dobrinskiy, A.I. Zimin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachev, V.N. Martynov, Ye.R. Meshnin, G.A. Navrotsky, Ya.M. Okhrimenko, G.N. Rovinskiy, Ye.A. Stosha, Yu.L. Rozhdestvenskiy, N.V. Tikhomirov, Ye.P. Unkov, V.F. Shcheglov, and L.A. Shofman; Eds: Ye.P. Unkov, Doctor of Technical Sciences, Professor, and B.V. Rozanov.

Title: Kuznechno-shtampovogochnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: S. Burda, F. Hrazdil, F. Draatik, F. Zlatohlávek

Card 1/8

SGV/5799

Present State of the (Cont.)

Z. Kejval, V. Krauz, P. Kupka, P. Majer, K. Marvan, J. Novák, J. Orlinský,
K. Paul, B. Sommer, M. Hanz, J. Částka, V. Šindelář, and J. Šolc; Eds.:
A. Neješka and M. Vlk.

PURPOSE: This book is intended for engineers and scientific personnel concerned
with the pressworking of metals.

COVERAGE: Published jointly by Mashgiz and SNTL, the book discusses the present
state of the pressworking of metals in the USSR and the Czechoslovak Socialist
Republic. Chapters were written by both Soviet and Czechoslovak writers. No
personalities are mentioned. There are 129 references: 98 Soviet, 16 English,
3 German, 5 Czech, and 2 French.

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Ye.P. Unksov) 5

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Gol'man

209

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210

Ch. XIX. Making Large Forgings on Hydraulic Presses [K.S.
Dobrinskiy and N.V. Tikhonov]

211

Ch. XX. Drop-Hammer and Crank-Press Forging [D.I. Bereshkovskiy
and V.P. Shecheglov]

212

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FORGING IN THE USSR

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Engineering Institute, Prague]

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| Ch. VII. The Forging of Large Strengthening Rings for the Runners of Mixed-Flow Turbines [F. Kůrka, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] | 345 |

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| Ch. VIII. Scientific Research Work in the Field of Cold Impact Forging of Metals [F. Hrdáčil, Plant ineni Šmeral, Brno] | 355 |
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| Ch. XI. The Mechanization of Obsolete Enterprises as a Means of Increasing Labor Productivity [B. Šauer, Vítkovice Metallurgical Plant ineni Klement Gottwald, Ostrava] | 410 |
| Ch. XII. The Initial Pressworking of FeAl Alloys and Large FeCrAl Castings [F. Majer and J. Šolc, Scientific Research Institute of Iron, Prague]. | |

Card 7/8

34690
Z/037/62/000/001/001/007
E197/E535

9,9000

AUTHOR: Marvan, M.

TITLE: Electromagnetic waves in moving optically active media
PERIODICAL: Československý časopis pro fyziku, no.1, 1962, 1-11

TEXT: The author studies the propagation of electromagnetic waves in media of natural optical activity moving linearly and uniformly relative to an inertial system, the theory of phenomenology and relativity being applied. It is stated that although the basic properties of wave propagation were postulated in the course of the development of the theory of relativity, a number of interesting consequences have not yet been deduced. Italian workers have investigated isotropic media, dielectric crystals and conductors and the author attaches importance to literature on reflection of electromagnetic waves from a moving bundle of electrons and from plasma. In contrast to other authors, the author of this paper prefers the covariant form of field equations and believes that the Minkowski geometry allows a better survey and chooses it as a starting point for further investigations. The author proceeds from the system at rest, using the

Card 1/3

Electromagnetic waves

Z/037/62/000/001/001/007
E197/E535

phenomenology theory of F. I. Fedorov and B. V. Bokut (Optika i spektroskopiya, 6, 1959, 85, 376 and 537.9, 1960, 635) This paper is a continuation of previously published work (Czech J. Phys, B 10, 1960, 771) in which the laws of conservation of energy and momentum were formulated for moving, optically active and anisotropic media. Applying the same symbols and terminology as in the work quoted, the author develops the formula for the polarization of the vectors E , B and finds that the intensity of the electric field E oscillates at right angles to the introduced vector R , and the magnetic induction B oscillates at right angles to the wave vector k . He further finds that there is a change in the direction of polarization of E, B when $\vec{v}_0 \cdot \vec{u} = -1$. A further conclusion is that the direction of polarization of D, H is solely dependent on the sign of R_4 . The author also deduces that propagation of two right-rotation polarized waves and of one left-rotation polarized wave of a given frequency is possible, both in the direction of movement of the medium and in the opposite direction. Docent, Doctor, Candidate of Science Č. Muzikař gave suggestions relating to the subject matter of the Card 2/3

Electromagnetic waves ...

Z/037/62/000/001/001/007
E197/E535

paper. There is 1 figure.

ASSOCIATION: Katedra teoretické fyziky matematicko-fyzikální
fakulty Karlovy university, Praha
(Department of Theoretical Physics, Faculty of
Mathematics and Physics, Charles University, Prague)

SUBMITTED. April 17, 1961

Card 3/3

CZECHOSLOVAKIA / General Biology. General Hydrobiology.

B-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 61974

Authors : Losos, V.; Marvan, P.

Inst : Brno Graduate School of Soil Science and Forestry.

Title : Hydrobiological Conditions Prevailing in the Moravice River
and Her Tributaries, the Podolskiy and Chernyy Creeks.

Orig Pub : Ober. Vysoko školy zeměd. a lesn. Brno, 1957, 4, No 1, 41-49

Abstract : No abstract.

Card 1/1

19

CZECHOSLOVAKIA / General Biology. General Hydrobiology.

B-6

Abstr Jour : Ref Zhur - Biol., No 11, 1956, No 47668

Author : ~~Carven, J.~~

Inst : Not given

Title : The Quantitative Determination of Mannoplankton with the Aid of Membrane-Type Filters.

Orig Pub : Freslia, 29, No 1, 76-83 (1957).

Abstract : Special filtration apparatus is described permitting the collection of exact quantitative data and the making of type determinations. The method is applicable under field conditions.

Card 1/1

CZECHOSLOVAKIA/Coslochemistry. Geochemistry. Hydrochemistry.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42958.

Author : Zelinka M., Marvan P.

Inst :

Title : Essential Reductions of Statistical Processing of
the Results of Analyses of the Water of Moravian
Rivers.

Orig Pub: Voda, 1957, 36, No 6, 152-155.

Abstract: On the basis of statistical processing of a large
amount of data, a critical evaluation is made of
the principal criteria used in determination of
the quality of water (BOD₅, C_{O_2} , NH_3 , pH, oxidability,
microbiological analysis). The most appropriate are
considered to be: BOD₅, NH_3 , microbiological analysis.

Card : 1/1

KUBICEK, Frantisek; MARVAN, Petr; ZELINKA, Milos

Notes on biological conditions of a water-supply reservoir near
Frystak. Sbor.pal.vod. VSChT 1958:369-426. (EPAI 9:4)

1. Vyzkumny ustav vodohospodarsky, Brno a zoologicky ustav Masarykovy
university, Brno.
(Czechoslovakia--Water)

MARVAN, Petr

Problem of the use of membrane filtration for quantitative phytoplankton research. Sbor pal vod VSChT 4 no.1:399-418 '60.
(EEAI 10:9)

1. Vyzkumny ustav vodohospodarsky, laborator, Brno a Katedra technologie vody, Vysoka skola chemicko-technologicka, Praha.

(Filters and filtration) (Phytoplankton)
(Membranes)

MARVAN, Petr, RNDr., ZELINKA, Milos, RNDr.

Effect of preliminary reservoirs on the water quality in the main
reservoir. Vodni hosp 13 no.6:222-224 '63.

1. Vyzkumny ustav vodohospodarsky, Brno.

MARVAN, Petr, dr.; ZELINKA, Milos, dr.

Comparison of the toxicity of waste waters. Vodni hosp
14 no. 3:107-109 '64.

1. Research Institute of Water Resources, Brno.

DEMEK, J.; MARVAN, P.; PANOS, V.; RAUSER, J.

Forms of granite weathering and erosion and their dependence on the climate. Rozprawy mat CSAV 74 no.4:1-59 '64.

BOHDANECKY, Jan, inz.; MARVAN, Vladimir

Effect of discharging hopper on deep mining operations. Uhli 3 no.12:
405-406 D '61.

1. Vyzkumny ustav hnedsheho uhli, Most.

(Lignite) (Mining engineering)

L 7970-66 EWT(m)/ETC/ENG(m)/T/ENP(t)/ENP(b) IJP(c) DS/JD/JG

ACC NR: AP5025081

SOURCE CODE: UR/0364/65/001/010/1225/1234

AUTHOR: Marvet, R. V.; Petriy, O. A.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Adsorption of hydrogen and oxygen on platinized platinum at different temperatures studied by electrochemical methods

SOURCE: Elektrokhimiya, v. 1, no. 10, 1965, 1225-1234

TOPIC TAGS: gas adsorption, hydrogen, oxygen, electrolytic cell, electrode, platinum

ABSTRACT: The work was carried out by the method of charge curves and the method of potentiostatic analysis. The measurements were made in a cell, the working section of which, together with the reference electrode, were placed in a thermostat. The visible surface of the electrode was 30 cm², and the volume of the solution in the working section was 15 cm³. The electrode was platinized in a 2% solution of H₂PtCl₆ at a current density of 2 ma/cm² for a period of 3

Cord 1/2

UDC: 541.135.5-183:546

L 7970-66

ACC NR: AP5025081

hours. Double distilled water and high purity sulfuric acid, hydrochloric acid, and potassium hydroxide were used in preparation of the solutions. According to the charge curves and the potentiometric curves for a platinum-platinum electrode in a 1 N H_2SO_4 , HCl and KOH solution, with increasing temperature in the interval from 0 to 95 C, there is observed a 15-20% rise in the amount of adsorbed hydrogen. This is explained by the adsorption of hydrogen on difficultly accessible portions of the surface at high temperatures. With certain assumptions, a calculation is made of the dependence of the differential heats of adsorption on the degree of coverage; these values are compared with literature data. With an increase in temperature, oxidation of the surface of the platinum becomes easier and the strength of the bonding of the adsorbed oxygen increases. The article demonstrates the dependence of the reduction in the area of the platinum-platinum electrode during heating on the potential and the composition of the electrolytic solution. "We express our deep indebtedness to Academician A. N. Frumkin for proposing the subject, and for his constant interest and consultation." Orig. art. has: 8 figures

SUB CODE: GC/ SUBM DATE: 03Apr65/ ORIG. REF: 008/ OTH REF: 015

Cord

2/2

PC

MARVETSOV, Ye, N.:

MARVETSOV, Ye, N.: "Problems of the dynamics of the adding mechanisms in multi-counter adding machines with parallel counting circuits."
Min Higher Education USSR. Moscow Order of Lenin and Order of Labor Red Banner Higher Technical School imeni Bauman.
Moscow, 1956. DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE.

So: Knizhnaya Letopis', No. 1P, 1956

EXCERPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

1867. PROTECTIVE MEASURES AGAINST RODENTS IN FARM BUILDINGS ON
COOPERATIVE FARMS AND STATE FARMS (Russian text) - Marvin
M. Ya. - SVERDLOVSK 1956 (8 pages)

The author recommends various prophylactic measures against rodents (clearing of farm territory and buildings covered storage of produce etc.) and chemical and mechanical extermination of the rodents. Of the chemical methods the use of α -naphthylthiourea deserves most attention, since it is highly toxic for rodents, particularly rats, and much less toxic for domestic animals and man. On the basis of experimental data the author recommends the use not of 0.5-1% of this substance as given in the directions, but of 4%. This concentration is harmless for domestic animals yet causes 100% mortality among the rats. A description is given of the method of preparation of poisoned bait. (S)

MARVIN, M.Ya.

Deratization of farm animal houses. Veterinariia 33 no.8:79-80
Ag '56. (MLRA 9:9)

1.Ural'skiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Rats--Extermination) (Farm buildings)

MARVIN, M.Ya.

[Mammals of Karelia] Mlekopitalushchie Karelii. Petrozavodsk,
Gos.izd-vo Karel'skoi ASSR, 1959. 236 p. (MIRA 14:2)
(Karelia--Mammals)

MARVIN, M.Ya.

Murine rodents in the environs of Krasnoufinsk. Trudy Ural.
otd. ZOIP no.2:43-53 '59. (MTA 14:11)
(Krasnoufinsk region--Rodentia)

NIKOLAI, N.Ya.; SOKOLOVA, T.

Experiments with poisonous plants in rodent control. (Moscow)
Ural. otd. VOP no. 3 1945 '51. (MIRA 14 11)
(Poisonous plants)
(Rodent baits and repellents)

MARVIN, M. Ya.

Materials on murine rodents of the Viam region, Sverdlovsk Province.
Uch.zap.UrGU no.31:74-90 '59. (MIRA 14:5)
(Bol'shiye Galashki region--Field mice)

MARVIN, M. Ya. (USSR)

"The structure of fur in mammals (in Russia)"

report presented at the Intl. Symposium on Methods of Theriological
Investigation. Brno, Czech.,

Aug 4Sept. 1960

YEVGEN'YEV, German Yevgen'yevich; NARVITS, Z.B., red.; VOLCHOK,
K.M., tekhn. red.

[From Leningrad to the Valaam Archipelago] Iz Leningrada k
Valaamskomu arhipelagu. Moskva, Izd-vo "Mekhnol transport,"
1964. 112 p. (MIRA 17:4)

L 28498-66 EC

ACC NR: AP5023197

SOURCE CODE: YU/0009/64/000/006/0716/0721

AUTHOR: Marvucic, K. (Air Force captain first class)

ORG: none

TITLE: Problem of mounting and compensation of AD-722 direction finder

SOURCE: Vazduhoplovni glasnik, no. 6, 1964, 716-721

TOPIC TAGS: aircraft antenna, direction finder, navigation aid / AD-722 direction finder

ABSTRACT: A description of the AD-722 direction finder is given in general terms. To avoid deviation and errors in reading, it should be equipped with a crossed-loop antenna and the instructions strictly followed in mounting the antenna on the aircraft. The same is true of the QE deviation corrector. Recommendations are given for setting the direction finder on the aircraft, using a place in the field free of electric interferences, caused by power lines, signal lines, or other electrical equipment. The QE corrector should not show an error exceeding $\pm 2^\circ$. Higher errors indicate an incorrect mounting of the aircraft antenna. After the direction finder is set on the ground it must be checked in flight at altitudes of 100 and 2000 meters. The orig. article has: 3 figures and 1 table.

SUB CODE: 17/ SUBM DATE: none

Cord 1/1 CC

MARWICZ, Stanislaw, dr

Main problems of the organization of sale of metallurgical products
Wiad hut 16 no.4:122-125 Apr '60.

MARWICZ, Stanislaw, dr

Technical progress and analysis of needs. Wiad hut 16
no.7/8:247-248 J1-Ag '60.

MARWICZ, St. dr. (Katowice)

Technological information as a road to economy in steel
consumption. Przegl budowl i bud mieszk 34 no.10:604 0 '62.

MARWICZ, Stanislaw (Katowice)

Economical profiles. Przegl budowl i bud mieszk 35 no.10:
554 0'63.

GEORGESCU, M. - ~~Reviewer~~ -
RESOBEANU, M. - ~~Author~~ -
SUCANE, Given Name

Country: Rumania

Academic Degrees: -not given-

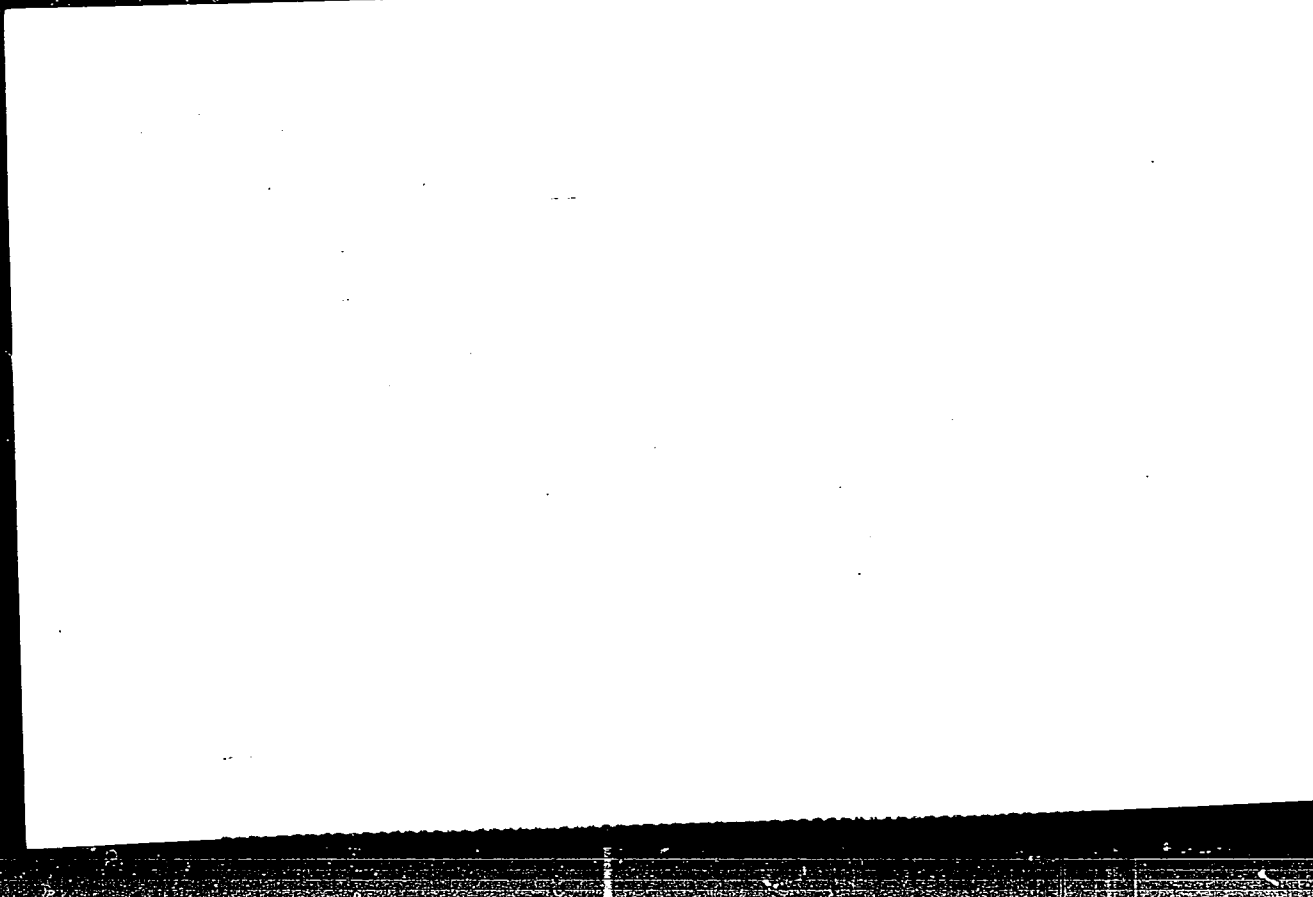
Affiliation: -not given-

Source: Bucharest, Microbiologia, Parasitologia, Epidemiologia, Vol VI,
No 2, July-Aug 1961, pp 375-378.

Data: "Culture Media in Medical Bacteriology," -a review of the authors'
Mediile de cultura in bacteriologia medicala (Bucharest, 1960).

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CIA-RDP86-00513R001032630002-4"

STAVRI, D.; BITTNER, J.; VOINESCO, Viorica; MARI, A.

Variability of *Cl. perfringens*. III. Comparative study of the characteristic chemical constituents of the cell wall of the B.P.6K strain and the B.P.6K-P.1000 variant. Arch. roum. path. exp. microbiol. 23 no.3:691-696 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Services de Physiologie Microbienne et des Anaerobies, Bucarest.

MESROBEANU, Lyolia; MESROBEANU, I.; MITRICA, Natalia; CROITORESCO, Irina;
MARK, A.

The present stage of research on the neurotoxins of gram-negative bacteria. Arch. roum. path. exp. microbiol. 23 no.2:775-782
S'43

1. Travail de l'Institut "Dr. I. Cantacuzino" de Recherches Medicales, Centre
de Microbiologie de l'Institut Medico-Pharmaceutique, Bucharest.

MARK J., MUDr.

Bohumir Budin. 15 years from the date of his death. Cesk.
zdravot. 8 no.5:265-267 My '60.

1. Radiologicka klinika lebarske fakulty Karlovy university v
Praze.

(BIOGRAPHIES)

FRIED, K.; MARK, F.; TEICHMANN, V.

X-ray diagnosis of multiple myeloma. Cas. lek. česk. 96
no. 31:989-993 26 July 57.

1. Rtg. odd. ONEZ v Kladne, prednosta MUDr. K. Fried.
Rtg. odd. fakultni polikliniky v Praze, prednosta MUDr.
F. Marx. Rtg. odd. II. interni kliniky v Praze, prednosta
prof. MUDr. F. Herles. Dr. K. Fried, Kladno, Cs. armady 1179.
(MYELOMA, PLASMA CELL, diag.
x-ray (Cz))